Index of Claims

| App | lication | /Control | No. |
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10/822,724 Examiner

Applicant(s)/Patent under Reexamination

MATSUDA ET AL.

Art Unit

Phung My Chung

2138

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| 11       | Allowed  |

(Through numeral)
Cancelled

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| Cla          | aim      | m Date   |          |   |                 | Cla            | Claim     |        |   |          | Date     |            |  |                         |              | [       | Cla      | aim          | Date                |          |   |       |            |                       |  |                   |           |          |           |            |            |          |
|--------------|----------|----------|----------|---|-----------------|----------------|-----------|--------|---|----------|----------|------------|--|-------------------------|--------------|---------|----------|--------------|---------------------|----------|---|-------|------------|-----------------------|--|-------------------|-----------|----------|-----------|------------|------------|----------|
|              |          |          |          |   |                 |                |           |        |   |          |          | _          | П  |                         | Ī            | Т       | П        |              |                     |          |   |       |            | $\top$                | T  | Т                 | П         | П        |           |            | $\neg$     |          |
| Final        | Original | 5/16/06  |          |   |                 |                |           |        |   |          | 豆        | Original   | H  |                         |              | ļ       |          |              |                     |          |   | ल     | Original   |                       |  | - 1               |           | - 1      |           |            |            |          |
| ᄩ            | rig      | 116      |          |   |                 |                |           |        |   |          | Final    | <u>.</u> E | ll   |                         |              |         |          |              |                     |          |   | Final | nigi       |                       |  | - 1               |           | - 1      |           |            | ı          |          |
| -            | 0        | 15       |          |   |                 |                |           |        |   |          |          | 0          |  |                         |              | 1       |          |              |                     |          |   | _     | Ö          |                       |  | - 1               |           | ١        |           |            |            |          |
| <b>-</b>     | 1        | V        | Н        | _ | Н               | $\vdash$       | Н         | -      |   |          | $\vdash$ | 51         | $\vdash$   | $\dashv$                | +            | +       | +-       | $\vdash$     | $\vdash$            | $\dashv$ | iii t                                   |       | 101        | $\dashv$              | +  | +                 | $\dashv$  |          |           | -          | $\dashv$   | $\dashv$ |
|              | 2        | V        | Н        |   | Н               | H              |           | -      | $\dashv$  |          | $\vdash$ | 52         | ╁  | $\dashv$                | +            | +       | +-       | -            | $\vdash$            |          | ŀ                                       |       | 102        | -+                    | +  | ┰                 | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$   | $\dashv$   | ႕        |
| <del> </del> | 3        | ├        | Н        |   |                 | -              | Н         |        | $\vdash$  |          | ├        | 53         | ┤┤   | +                       | +            | ┿       | +        | +            | $\vdash$            |          | }                                       |       |            | $\dashv$              | ╬  | $\dashv$          | $\dashv$  | $\dashv$ | $\dashv$  | -          | $\dashv$   | ႕        |
| <u> </u>     |          | ٧        | Н        |   | Н               | Н              | Н         | Н      | -   |          | <u> </u> | 53         | $\vdash$   | +                       | +            | +       | +        | $\vdash$     | $\vdash$            |          |   |       | 103        | -                     | -  | ┵                 | -         |          | $\dashv$  | $\dashv$   | $\dashv$   | $\dashv$ |
|              | 4        | ٧        | $\vdash$ |   | Н               | Н              | Н         | Н      | $\vdash$  |          | <u> </u> | 54         | $\vdash$   | +                       | +            | +       | -        | $\vdash$     | $\vdash$            |          |   |       | 104        | $\dashv$              | +  | $\dashv$          | $\dashv$  | -        | -         |            | -          | _        |
| <b>├</b> ─   | 5        | ٧        | Н        | _ | Н               | _              | Н         | Н      | $\dashv$  |          |          | 55         | $\vdash \vdash$                                  | +                       | -            | +       |          | 1            | $\vdash$            |          |   |       | 105        | $\dashv$              | 4  | +                 | -         | -        | _         |            | 4          |          |
|              | 6        | ٧        |          |   |                 | Щ              | $\square$ | -      | $\dashv$  |          | <u> </u> | 56         | $\vdash$   |                         | -            | 4       | 4        | <b>—</b>     | $\vdash$            |          |   |       | 106        |                       | 4  | 4                 | 4         | _        | _         | _          | 4          |          |
| <u> </u>     | 7        | V        | Ш        |   | Ш               | Ш              | Щ         | Щ      | $\sqcup$  | 4        | <u> </u> | 57         | $\sqcup$   | $\dashv$                | 4            | 4       | 4        | <u> </u>     | Н                   | 4        |   |       | 107        |                       | $\dashv$                                       | 4                 | 4         | 4        | _         | 4          | $\dashv$   | _        |
|              | 8        | L        |          |   | Ш               |                | Ш         |        | _   |          | <u></u>  | 58         | $\sqcup$   | _                       | $\perp$      | $\perp$ | $\bot$   | ↓_           | Ш                   | _ :      |   |       | 108        |                       | _  | _                 | _         | _        | $\Box$    | $\dashv$   | _          | _        |
|              | 9        | 匚        | Ш        | _ | Ш               | Ш              | Ш         |        |   | _        | L        | 59         | $\sqcup$   | _                       | _            | $\perp$ |          | ↓_           | $\Box$              |          |   |       | 109        |                       | $\perp$  |                   | _         | _        | _         | _          | _          |          |
|              | 10       | L        |          |   |                 |                | Ш         |        |   | _        |          | 60         | Ш  | $\perp$                 | $\perp$      |         |          | $oxed{oxed}$ | Ш                   |          |   |       | 110        |                       |  |                   |           |          |           |            | ╛          |          |
|              | 11       | L        |          |   | $\Box$          |                | Ш         |        |   |          |          | 61         | $\Box$   |                         |              |         |          |              |                     | _]       |   |       | 111        |                       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ | $oldsymbol{\bot}$ |           |          | _]        |            | $_{\perp}$ | _:]      |
|              | 12       | L        |          |   |                 |                |           |        |   |          |          | 62         |  |                         |              |         |          |              |                     | _]       | [                                       | ]     | 112        |                       | $\prod$  | $\Box$            |           |          |           |            | $\Box$     |          |
|              | 13       |          |          |   |                 |                |           |        |   |          |          | 63         |  | T                       | $\Box T$     |         |          |              |                     |          |   |       | 113        |                       | $\top$   | $\neg$            | $\neg$    | П        | $\neg$    | $\neg$     | $\neg$     |          |
|              | 14       |          |          |   |                 |                |           |        |   |          |          | 64         |  | $\Box$ T                | $\Box T$     |         |          |              |                     |          |   |       | 114        |                       | $\top$   | T                 | $\exists$ | コ        |           | $\Box$     | $\Box$     | 乛        |
|              | 15       |          |          |   | П               |                | П         |        |   |          |          | 65         |  | $\neg$                  | 丁            | $\top$  | 1        |              | $\Box$              | _        |   |       | 115        |                       | $\dashv$                                       | $\dashv$          | 7         | ┪        | $\Box$    |            | ヿ          | $\neg$   |
|              | 16       |          |          |   |                 |                |           |        | $\Box$  |          |          | 66         |  | $\neg$                  | $\neg$       |         | $\top$   |              |                     |          |   |       | 116        |                       | $\top$   | $\dashv$          | 寸         | ╗        | 一         | 寸          | ヿ          | $\neg$   |
|              | 17       | Г        | П        |   |                 |                | П         | П      | $\Box$  | 788      |          | 67         | П  | $\dashv$                | 十            | $\top$  | 1        | 1            | $\Box$              |          |   |       | 117        |                       | $\top$   | _                 | 7         | 7        | $\neg$    | ヿ          | ヿ          | 一        |
|              | 18       | Т        | П        |   | П               |                | П         | П      |   | 7        |          | 68         |  | 7                       | 十            | $\top$  | 十        | П            | $\sqcap$            | -        | iii l                                   |       | 118        | 1                     | $\dashv$                                       | 一                 | 一         | 一        | $\dashv$  | 十          | $\dashv$   | $\dashv$ |
|              | 19       | Н        |          |   |                 | Н              | Н         | Н      | $\vdash$  | -1       | -        | 69         |  | 十                       | 十            | ╅       | +        |              | $\vdash$            | -1       | ······································· |       | 119        | $\vdash$              | $\dashv$                                       | $\dashv$          | ┪         | ᅥ        | -         | _          | $\dashv$   | $\dashv$ |
| $\vdash$     | 20       | ┢        |          |   | Н               | Н              | $\vdash$  |        | $\vdash$  | $\dashv$ | $\vdash$ | 70         | $\vdash$   | $\dashv$                | $\dashv$     | +       | +-       | +            | $\vdash$            |          |   |       | 120        | $\vdash$              | $^+$   | $\dashv$          | +         | $\dashv$ | -         | $\dashv$   | $\dashv$   | ㅓ        |
| <u> </u>     | 21       | ┝        | Н        |   | Н               | Н              | Н         | -      | $\vdash$  |          | -        | 71         | $\vdash$   | $\dashv$                | +            | +       | +        | +            | $\vdash$            |          | •                                       |       | 121        | $\dashv$              | -+   | +                 |           | $\dashv$ | $\dashv$  | $\dashv$   | $\dashv$   | $\dashv$ |
| $\vdash$     | 22       | ⊢        | Н        | - | Н               | $\vdash$       | $\vdash$  |        | -   |          | -        | 72         | $\vdash$   | $\dashv$                | +            | +       | ╁        | ╁            | $\vdash$            |          |   |       |            | $\dashv$              | +  | -                 | +         | $\dashv$ | $\dashv$  | $\dashv$   | $\dashv$   | $\dashv$ |
|              | 23       | ⊢        | Н        |   | Н               |                | $\vdash$  |        |   |          | <u> </u> | 73         | <del>                                     </del> | +                       | +            | +       | +        | ₩            | $\vdash$            |          | <b>⊪</b>                                |       | 122<br>123 | -                     | +  | +                 | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$   | $\dashv$   |          |
| -            |          | ├        | Н        |   | Н               | Н              | Н         |        |   |          | <u> </u> |            | $\vdash$   | +                       | +            | +       | +        | ╁            | $\vdash$            |          | }                                       |       |            | -                     | -  | +                 | -         | -        | $\dashv$  |            | -          | $\dashv$ |
| $\vdash$     | 24       | _        | Н        | _ | Н               | Н              | Н         |        |   |          | <u> </u> | 74         | $\vdash$   | +                       | +            | +       | -        | ╄            | $\vdash$            |          | }                                       |       | 124        | -                     | -  | $\dashv$          | -         | -        | -         | $\dashv$   | $\dashv$   |          |
| <u> </u>     | 25       | ⊢        | Н        | _ | Н               | _              | $\vdash$  | -      | $\mapsto$   |          | <u> </u> | 75         | $\vdash$   |                         | +            | +       | +        | ╁            | $\vdash$            |          | }                                       |       | 125        | +                     | $\dashv$                                       | +                 | -         | $\dashv$ |           |            | $\dashv$   | $\dashv$ |
| _            | 26       | ⊢        | Н        |   | _               |                | Ш         |        | $\vdash$  |          | <b> </b> | 76         | $\vdash$   | $\dashv$                | +            | -       | -        | ┼-           | $\vdash$            | -43      | :::                                     |       | 126        | -                     | 4  | 4                 | -         | 4        | $\dashv$  | _          | -          |          |
|              | 27       | ╙        | Ш        |   | Щ               |                | Н         |        |   |          | <u> </u> | 77         | $\vdash$   | 4                       | 4            | _       | - -      | ↓_           | $\vdash$            | -48      |   |       | 127        | $\vdash$              | 4  | 4                 | 4         | 4        | $\dashv$  | _          | _          | _        |
|              | 28       | _        | _        |   | Ш               | Щ              | Щ         |        | $\sqcup$  |          | L        | 78         | $\sqcup$   | 4                       | 4            | 4       | $\perp$  | $\bot$       | $\sqcup$            | _        |   |       | 128        | Щ.                    | 4  | _                 | _         |          |           | _          | _          | _        |
| <u> </u>     | 29       | 上        | Ш        |   | Ш               |                | Ш         |        | $\perp$   |          | <u> </u> | 79         | Ш  | 4                       | 4            | _       | - -      | 1_           | Ш                   | _        |   |       | 129        | $\sqcup$              | 4  | $\dashv$          | 4         | _        |           | _          | $\dashv$   | 4        |
|              | 30       |          |          |   |                 | Ш              | Ш         |        | Ш   | _        | <u> </u> | 80         |  | $\perp$                 | $\perp$      |         |          | _            | Ш                   |          |   |       | 130        |                       | $\perp$  |                   | $\perp$   |          |           |            | $\Box$     |          |
|              | 31       | L        |          |   |                 |                | Ш         |        |   |          |          | 81         | Ш  |                         |              |         |          |              | Ш                   | !        |   |       | 131        |                       |  |                   |           |          |           |            | $\sqcup$   |          |
|              | 32       | _        | $\Box$   |   | Ш               | Ш              | Ш         |        |   |          |          | 82         |  |                         | $\perp$      |         |          |              | $\Box$              | _]:      | :::[                                    | ]     | 132        |                       | $\Box$   | $\Box$            | $\Box$    |          |           |            | $\Box$     |          |
|              | 33       |          |          |   |                 |                |           |        |   |          |          | 83         |  | $oldsymbol{\mathbb{J}}$ | $oxed{\int}$ |         |          |              |                     |          | [                                       |       | 133        |                       | $oxed{oxed}$                                   | $\Box$            |           |          |           |            | $\Box$     |          |
|              | 34       | L        |          |   |                 |                |           |        |   |          |          | 84         |  | $\Box$                  | $\Box$       |         |          |              |                     |          |   |       | 134        |                       |  | T                 | T         |          |           |            | $\Box$     |          |
|              | 35       |          |          |   |                 |                |           |        |   |          |          | 85         |  |                         |              |         |          |              | $\Box$              |          |   |       | 135        |                       | T  | Т                 | T         | $\neg$   |           | $\Box$     | П          |          |
|              | 36       |          |          |   |                 |                | П         |        |   |          |          | 86         |  |                         |              |         |          | Γ            | $\Box$              | 7        | l                                       |       | 136        |                       | $\top$   | $\neg$            | $\neg$    | $\neg$   |           | $\neg$     | $\neg$     | $\neg$   |
|              | 37       |          |          |   | П               |                | П         |        | $\Box$  |          |          | 87         | П  | 1                       | 1            | $\top$  | 1        | 1            | 口                   | 7        |   |       | 137        |                       | 丁  | 寸                 | $\dashv$  | ╛        | $\Box$    | 寸          | $\dashv$   | $\neg$   |
|              | 38       |          | П        |   | П               | П              | П         |        | $\Box$  |          |          | 88         | $\sqcap$   | $\dashv$                | +            | $\top$  | +        | 1            | H                   | -        | iii i                                   |       | 138        | $\vdash$              | 十  | ヿ                 | 7         | ┪        | $\neg$    | 一          | $\dashv$   | $\dashv$ |
|              | 39       |          | П        |   | П               | П              | П         | П      | П   | 7        |          | 89         |  | $\dashv$                | +            | $\top$  | +        | 1            | $\vdash$            |          |   |       | 139        | $\vdash$              | $\dashv$                                       | 一                 | 一         | ┪        | $\dashv$  | _          |            | ᅱ        |
|              | 40       | Г        | П        |   | П               |                | Н         | Н      | $\dashv$  | <b>-</b> |          | 90         | $\vdash$   | $\dashv$                | 十            | +       | $\top$   | $\vdash$     | $\vdash$            | -        | iii t                                   |       | 140        | $\vdash$              | 十  | 十                 | $\dashv$  | $\dashv$ | $\vdash$  | +          | $\dashv$   | ᅥ        |
|              | 41       |          | Н        |   | $\vdash$        | $\vdash$       | Н         | Н      | $\vdash$  |          |          | 91         | +  | +                       | $\dashv$     | +       | +        | +-           | $\vdash \uparrow$   | -        | iii)                                    |       | 141        | $\vdash \vdash$       | 十  | $\dashv$          | $\dashv$  | ᅥ        | $\dashv$  | -+         | $\dashv$   | $\dashv$ |
| $\vdash$     | 42       | Н        | Н        |   | $\vdash$        | Н              | Н         | Н      | $\dashv$  |          |          | 92         |  | 十                       | +            | +       | $\dashv$ | +            | $\vdash$            | -        | ⊪∤                                      |       | 142        | -                     | +  | $\dashv$          | -+        | ᅥ        | $\vdash$  | $\dashv$   | -          | ᅱ        |
| $\vdash$     | 43       | ╁        | Н        | - | Н               | Н              | H         | Н      | $\vdash$  |          | <b></b>  | 93         | $\vdash$   | $\dashv$                | +            | +       | +        | +-           | $\vdash \vdash$     | -        | H                                       |       | 143        |                       | +  | $\dashv$          | +         | -        |           | +          | $\dashv$   |          |
| $\vdash$     | 44       | $\vdash$ | Н        |   | $\vdash$        | $\vdash$       | Н         |        | $\vdash$  |          | <b> </b> |            |  | +                       | +            | +       | +-       | +-           | $\vdash \vdash$     |          | <b> </b>                                |       |            | $\dashv$              | +  | -                 | $\dashv$  | $\dashv$ | -         | -          | $\dashv$   |          |
| $\vdash$     | 45       | -        | Н        | - | $\vdash$        | $\vdash\dashv$ | $\vdash$  |        |   |          | <b>-</b> | 94<br>95   | <del>                                     </del> | -                       | +            | +       |          | +-           | $\vdash$            |          |   |       | 144        | $\vdash$              | -  |                   | +         |          | -         | -          | -          | $\dashv$ |
| <u> </u>     |          |          | Н        |   | $\vdash \vdash$ | Н              | $\vdash$  |        | $\dashv$  |          | $\vdash$ |            | $\vdash$   | $\dashv$                | 4            | +       |          | +-           | $\vdash \vdash$     |          | :::                                     |       | 145        |                       | -+   | $\dashv$          |           |          | -         |            |            | ᅴ        |
| $\vdash$     | 46       | ├-       | $\vdash$ | - | $\vdash \vdash$ | Н              | ⊢∤        |        |   |          | <u> </u> | 96         | ┝╌┥  | 4                       | -            | $\bot$  | +        | -            | $\vdash \downarrow$ |          | :::I                                    |       | 146        | $\vdash$              | 4  | _                 | _         | _        | $\square$ |            | _          | _        |
| $\vdash$     | 47       |          | $\vdash$ |   | $\vdash \vdash$ | $\sqcup$       | Щ         |        |   |          | <u> </u> | 97         | $\sqcup$   | 4                       | 4            | 4       |          | ↓_           | $\sqcup$            | _        | :::I                                    |       | 147        | $\vdash$              | 4  | $\dashv$          | _         | _        | $\Box$    | _          | _          | $\dashv$ |
| L_           | 48       | <u> </u> | Ш        |   | Щ               | Ш              | $\sqcup$  | $\Box$ | $\Box$  | _        | L        | 98         | ᆜ  | $\perp$                 | 4            | $\perp$ | $\bot$   | _            | $\sqcup \downarrow$ | _        | :::                                     |       | 148        | $\sqcup$              | $\perp$  | $\perp$           |           | _        |           |            | ᆚ          |          |
| L            | 49       |          | Ш        |   |                 | Ш              | $\sqcup$  |        | Ц   | _        | L        | 99         | $\sqcup$   |                         | ᆚ            |         |          | $\perp$      | Ш                   | _        |   |       | 149        | $\sqcup \!\!\! \perp$ | _  | $\perp$           |           |          |           | $_{\perp}$ |            | ]        |
| L            | 50       |          | Ш        |   |                 |                |           |        | $\perp \! \! \! \! \! \perp \! \! \! \! \! \! \! \! \! \! \! \! \!$ |          | L        | 100        | $\coprod$  |                         |              |         |          | $\perp$      | Ш                   | !        | :::[                                    |       | 150        |                       |  |                   |           |          |           | [          |            |          |